

ABSTRACT

A method and apparatus for predicting write failure resulting from flying height modulation and initiating re-writing of data upon occurrence of the predicted write failure is disclosed. According to the present invention, if the slider or transducer flying height modulates during the write process, such modulation is detected, and a rewrite of the same data is forced. A write reassign may be initiated when a thermal signal exceeding the predetermined threshold is detected during the rewrite and/or a read/verify may be initiated after the rewrite.